

REGULATORY

This module contains the following information:

- Warranty Information Form
- Declaration of Conformity
- Registration Information
- Swagelok Welding System Warranty
- Safety Summary.

The Warranty Information Form must be completed and returned to your Swagelok Representative to activate the warranty.

The Registration Information page provides a convenient place to record pertinent Power Supply and Weld Head information.



Swagelok® Welding System

Warranty Information Form

IMPORTANT

Please complete and return this form to your Swagelok® Representative for warranty activation.

Date of Delivery: _____

Power Supply

Model Number: _____

Serial Number: _____

Weld Head

Model Number: _____

Serial Number: _____

Company Name: _____

Local Swagelok Distributorship: _____

Market Area *(check all that apply)*

- | | |
|---|---|
| <input type="checkbox"/> Semiconductor | <input type="checkbox"/> Analytical Instrumentation |
| <input type="checkbox"/> Oil & Gas | <input type="checkbox"/> Process Instrumentation |
| <input type="checkbox"/> Power | <input type="checkbox"/> Steam / Utilities |
| <input type="checkbox"/> Bioprocess / Pharmaceutical | |
| <input type="checkbox"/> Other <i>(Please describe)</i> _____ | |

User Type *(check all that apply)*

- | | |
|---|---|
| <input type="checkbox"/> O.E.M. | <input type="checkbox"/> Maintenance Department |
| <input type="checkbox"/> Fabricator | <input type="checkbox"/> University or Research and Development Lab |
| <input type="checkbox"/> Contractor | <input type="checkbox"/> Operator Training Program |
| <input type="checkbox"/> Other <i>(Please describe)</i> _____ | |

Intended Use *(check all that apply)*

- | | |
|---|--|
| <input type="checkbox"/> Maintenance | <input type="checkbox"/> Distributor Use <i>(Rental, Demonstration, Service)</i> |
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Cleanroom Class: _____ |
| <input type="checkbox"/> Research and Development | <input type="checkbox"/> Training |
| <input type="checkbox"/> Other <i>(Please describe)</i> _____ | |



DECLARATION OF CONFORMITY

CE-DECLARATION DE CONFORMITE, EG-ÜBEREINSTIMMUNGSERKLÄRUNG,
DICHIARAZIONE DI CONFORMITÀ-CE, EC-DECLARACIÓN DE CONFORMIDAD

Manufacturer:

Swagelok Company
29500 Solon Road
Solon, Ohio 44139-3492
USA

Authorized Representative:

Swagelok AG
St. Gallerstrasse 84
CH-8853 Lachen
Switzerland

Product:

Produit, Produkt, Prodotto, Producto:

Orbital Gas Tungsten Arc
Welding (GTAW) System

Model:

Modèle, Modell, Modello, Modelo:

SWS-M100

This Product Complies With The Following European Community Directives:

Ce produit conforme aux directives suivantes de la Communauté Européenne,
Dieses Produkt entspricht den nachstehend aufgeführten Richtlinien der Europäischen Union,
Questo prodotto è conforme ai seguenti direttivi della Comunità Europea,
Este producto cumple con las directivas siguientes de la Comunidad Económica Europea:

EMC DIRECTIVE 89/336/EEC

LOW VOLTAGE DIRECTIVE 73/23/EEC

AS AMENDED BY THEIR COUNCIL DIRECTIVES

The Following Standards Were Used To Verify Compliance With The Directives:

Les normes suivantes ont été appliquées pour vérifier que ce produit conforme aux directives,
Die folgenden Normen wurden angewendet zur Überprüfung der Übereinstimmung mit den
oben genannten Richtlinien,

Sono state usate le seguenti norme per verificare la conformità ai direttivi,
Las normas siguientes han sido utilizadas para verificar que el producto cumple con las
directivas correspondientes:

EMC STANDARDS: EN 50199, EN 55011, IEC 1000-4-2, IEC 1000-4-3, IEC 1000-4-4

LOW VOLTAGE STANDARDS: EN 60974-1, EN 60974-12

Approved By:

Approuvée Par, Genehmigt Durch,
Approvato da, Aprobado por:

Vice President of Operations

Position:

Poste, Position, Posto, Puesto:

Date:

Date, Datum, Data, Fecha:

25 March, 1999

Swagelok

Registration Information

Your Swagelok representative provides support and service for your Swagelok Welding System (SWS) and maintains a local stock of precision fittings and valves.

Please take a moment to fill out the information listed below. Keep this information available in case you need to contact your Swagelok representative.

Power Supply:

Model Number: _____
 Serial Number: _____
 Delivery Date: _____

See rating label on the rear of the unit, shown in Figure 1.

Weld Head(s):

Weld Head:

Model Number: _____
 Serial Number: _____
 Delivery Date: _____

Model Number: _____
 Serial Number: _____
 Delivery Date: _____

Model Number: _____
 Serial Number: _____
 Delivery Date: _____

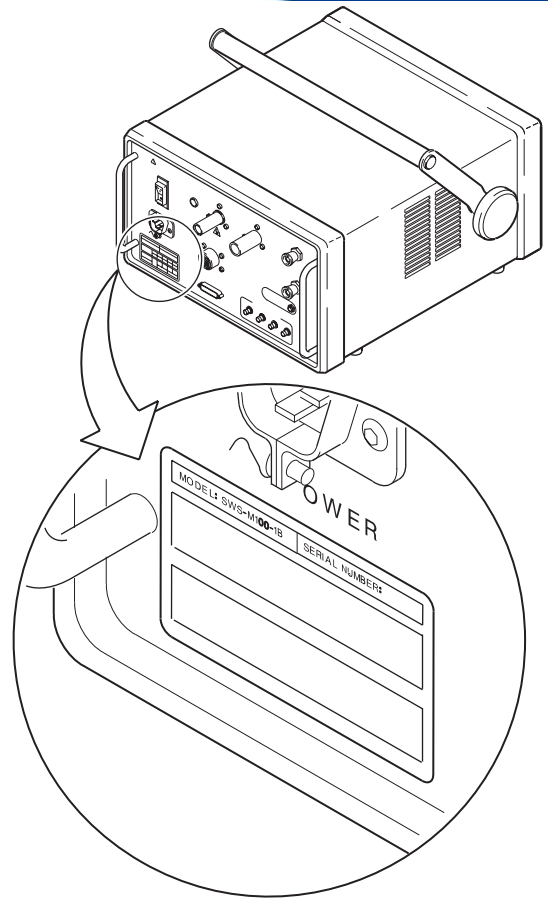


Figure 1 Rating Label



Swagelok Welding System Warranty

Swagelok Company hereby warrants to the end user that the SWS will be delivered free from any defect in materials or workmanship for a period of 12 months from the date of delivery to the end user. Swagelok will repair or replace the defective product during the warranty period at no charge for parts or labor.

Notify your Swagelok representative of any warranty claims. If it is determined that the repairs fall under this warranty, all normal freight costs will be paid by Swagelok.

Swagelok Company and its representatives will not be held liable for the time lost or damages caused by a defect in materials or workmanship. Modifications, alterations, or repairs made by anyone other than Swagelok or its representatives will void the warranty. There are no expressed warranties other than those described herein.



Safety Summary

The safety information presented here pertains to both the SWS and the process of Gas Tungsten Arc Welding (GTAW).

Statements

Caution! Statements identify conditions or practices that could result in damage to the equipment or other property.

WARNING! Statements identify conditions or practices that could result in personal injuries or loss of life.

Symbols

The following symbols are used in this manual and on the equipment to visually identify where warning or caution information is found.



This symbol identifies the location of warning information where high voltage (greater than 30 V (ac) or 42 V (dc)) is present during the condition or practice.



This symbol identifies the location of all other types of warning or caution information.

Safe Practices and Safety Precautions

- **Read Operating Instructions**

Read all of the instructions in this manual prior to operating the SWS.

- **ANSI Z49.1**

Safety and safe practices in welding, cutting and allied processes are covered in ANSI Z49.1, *SAFETY IN WELDING AND CUTTING*. When using the SWS, follow all basic safety practices.

- **Inert Shielding Gas**

Provide adequate ventilation when inert gas is used for shielding and purging. In confined areas, these gases can accumulate, displacing oxygen and creating a suffocation hazard for the operator and inspection personnel.

- **Metal Fumes**

The welding fumes generated by the GTAW process can be dispersed by natural ventilation, general ventilation or local exhaust ventilation.

- **Radiant Energy**

Radiant energy is a hazard and may cause injury to the operator and others exposed to the welding arc. Eyes and skin are particularly vulnerable.

- **Ozone**

The ultraviolet light emitted by the welding arc acts on the oxygen in the surrounding atmosphere to produce ozone. Test results^①, based upon present sampling methods, indicate the average concentration of ozone generated in the GTAW process does not constitute a hazard under conditions of good ventilation and welding practice.

① WELDING HANDBOOK, VOLUME 2, 8TH EDITION, AMERICAN WELDING SOCIETY.



- **Electrical Shock**

Follow local electrical codes and the guidelines in this manual when installing the SWS. Failure to do so may create an electrical shock hazard. Shock hazards can exist even when equipment is properly installed, so it is important that the operator be trained in the proper use of the equipment and follow established safety practices.

User Precautions

- **Power Supply Grounding**

The power supply is grounded through the ground connector of the power cord. Avoid electrical shock by making sure the power cord is plugged into a properly wired and grounded receptacle before turning the unit on.

- **Water and Moisture**

System components are not waterproof. Do not expose the SWS equipment to water.

- **Care in Handling**

Take care not to drop the SWS components.

- **Proper Use and Storage**

Do not store or use near hazardous materials. Store indoors and cover the system when in dusty or dirty areas. Cover when not in use.

- **Properly Unplug the Power Cord**

Do not unplug by pulling on the cord. Grasp the plug to remove it from the receptacle.

- **Weld Heads**

Disconnect the weld head completely from the power supply prior to servicing.

User service, including cleaning or component replacement, is limited to those operation identified in this manual.



WARNING!

**VERIFY THAT THE SYSTEM
IS PROPERLY GROUNDED
BEFORE USE.**

- **Fixture Blocks**

Disconnect the fixture block from the weld head prior to servicing the fixture block. User service, including cleaning or component replacement, is limited to those operations identified in this manual.

- **Power Supply Service**

There are no user serviceable parts in the power supply other than a fuse. Refer all other servicing to your Swagelok representative

**WARNING!**

**USERS SHOULD NOT
SERVICE THE
POWER SUPPLY.**

